

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/27/2020 11:10 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123141	-2	3.24	123299	3.20
Blue	F	SSC	125000	124975	-1	2.98	125700	2.86
Blue	E	FITC	15892	15433	-3	3.17	337	22.33
Blue	D	PE	29999	29199	-3	2.42	635	16.14
Blue	B	PerCP-Cy5-5	43732	43696	-1	4.04	1171	21.79
Blue	A	PE-Cy7	30845	30805	-1	6.52	588	43.73
Red	C	APC	46112	45121	-3	2.61	1586	12.36
Red	A	APC-Cy7	30458	29412	-4	2.52	776	12.28
Violet	B	V450	7918	7444	-6	4.04	428	13.29
Violet	A	V500	32171	30462	-6	3.84	714	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16827	16.41	644	23	N/A	N/A	Pass
Blue	F	SSC	57449	2.57	583	24	N/A	N/A	Pass
Blue	E	FITC	60	68.96	554	11	0.0153	101	Pass
Blue	D	PE	134	51.50	560	12	0.1220	202	Pass
Blue	B	PerCP-Cy5-5	214	52.67	669	13	0.0078	35	Pass
Blue	A	PE-Cy7	110	108.34	714	16	0.0095	17	Pass
Red	C	APC	380	25.55	590	6	0.0235	133	Pass
Red	A	APC-Cy7	171	28.24	560	4	0.0051	445	Pass
Violet	B	V450	65	60.65	462	4	0.0464	1957	Pass
Violet	A	V500	106	37.07	478	4	0.0230	1232	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.88	-32.41	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	15.37	13.60 - 20.40	N/A	N/A	29.77	30.27	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.81

Threshold

Threshold (FSC): 10654

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments